

**REMARKS**

Upon entry of the Amendment, Claims 10-23 will be pending in the application.

Claims 1-9 were previously canceled.

Claim 10 is amended to recite “and a cathode containing polyphenylquinoxaline represented by structural formula (3)”. Support can be found, for example, at page 8, lines 1-23.

New Claim 17 is added. Support can be found, for example, in Claim 16.

New Claims 18-23 are added. Support can be found, for example, in each of original Claims 10-15, respectively.

No new matter is added.

Entry of the Amendment along with reconsideration and review on the merits are respectfully requested.

***Formal Matters***

Applicants appreciate the Examiner’s indication that the drawings filed on January 15, 2002, have been accepted; that Applicants’ claim for foreign priority has been acknowledged with receipt of the certified copy of the priority document in parent Application No. 09/619,708; and that the Information Disclosure Statements filed on January 2002 and June 2004 have been considered.

***Allowable Subject Matter***

Applicants appreciate the Examiner’s indication that Claim 16 is allowed.

Applicants submit that each of the pending Claims 10-15 is also allowable, based on at least the following reasons.

***Claim Rejections - 35 U.S.C. §103***

Claims 10-15 are rejected under 35 U.S.C. §103(a) as assertedly being unpatentable over Thompson et al. (US 5,626,729) in view of Gazard et al. (US 4,502,934).

The Examiner cites Gazard et al. as disclosing an indole compound electrode active material; said indole polymeric compound using a proton as a charge carrier (electrochemical cell) wherein the polymeric compound is formed of a poly (5-cyanoindole). The Examiner states that Gazard et al. discloses the claimed invention except that the electrochemical cell is a capacitor. And the Examiner cites Thompson et al. as teaching that it is known in the electrochemical capacitor cell art to use a conductive polymer electrode (see col. 3 lines 1-45).

The Examiner states that it would have been obvious to a person of ordinary skill in the art to use the poly (5-cyanoindole) as disclosed in Gazard, in the capacitor of Thompson, as such a modification would allegedly provide a system for the active material to function in and provide an electrode having an improved performance, reduced response time, great stability and improve the life-span of capacitor.

Applicants respond as follows.

The combination of Thompson with Gazard fails to render obvious the present invention.

Claim 10 is amended to recite polyphenylquinoxaline. Neither Thompson or Gazard discloses polyphenylquinoxaline.

For at least the above reasons, it is respectfully submitted that the subject matter of Claims 10-15 are neither taught by nor made obvious from the disclosures of Thompson et al. in view of Gazard et al., and it is respectfully requested that the rejection under 35 U.S.C. § 103(a) be reconsidered and withdrawn.

*Conclusion*

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

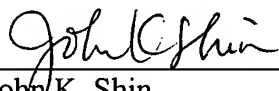
Respectfully submitted,

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

  
\_\_\_\_\_  
John K. Shin  
Registration No. 48,409

Date: July 27, 2005